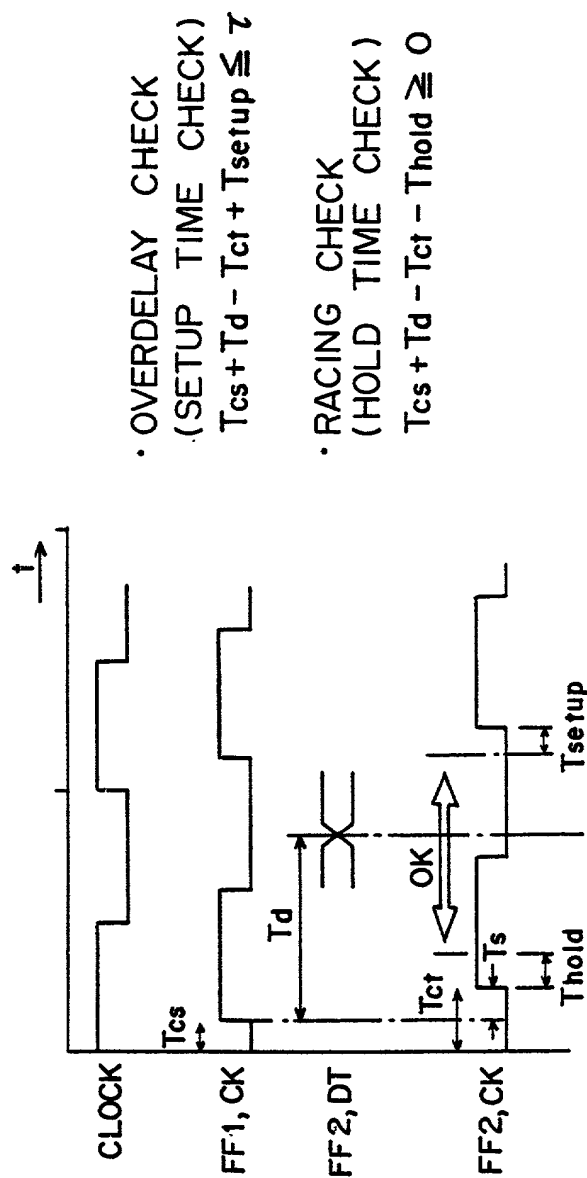


FIG. 1A

PRIOR ART

FIG. 1B
PRIOR ART

PRIOR ART

- OVERDELAY CHECK
(SETUP TIME CHECK)
 $T_{cs} + T_d - T_{ct} + T_{setup} \leq \tau$
- RACING CHECK
(HOLD TIME CHECK)
 $T_{cs} + T_d - T_{ct} - T_{hold} \geq 0$

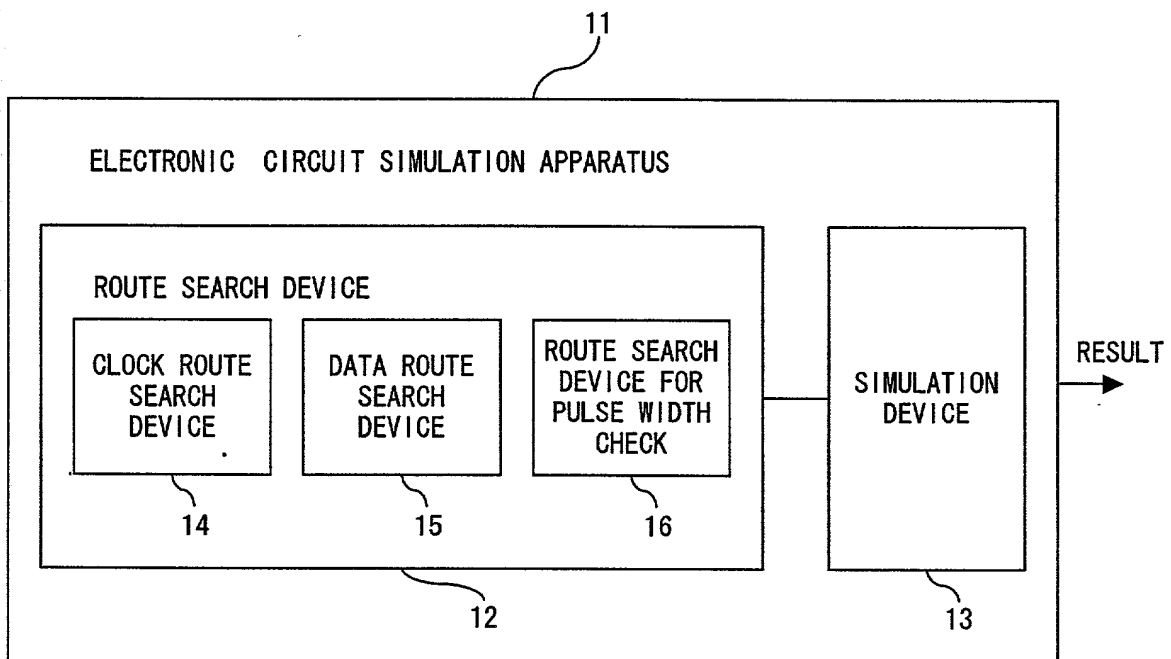


FIG. 2

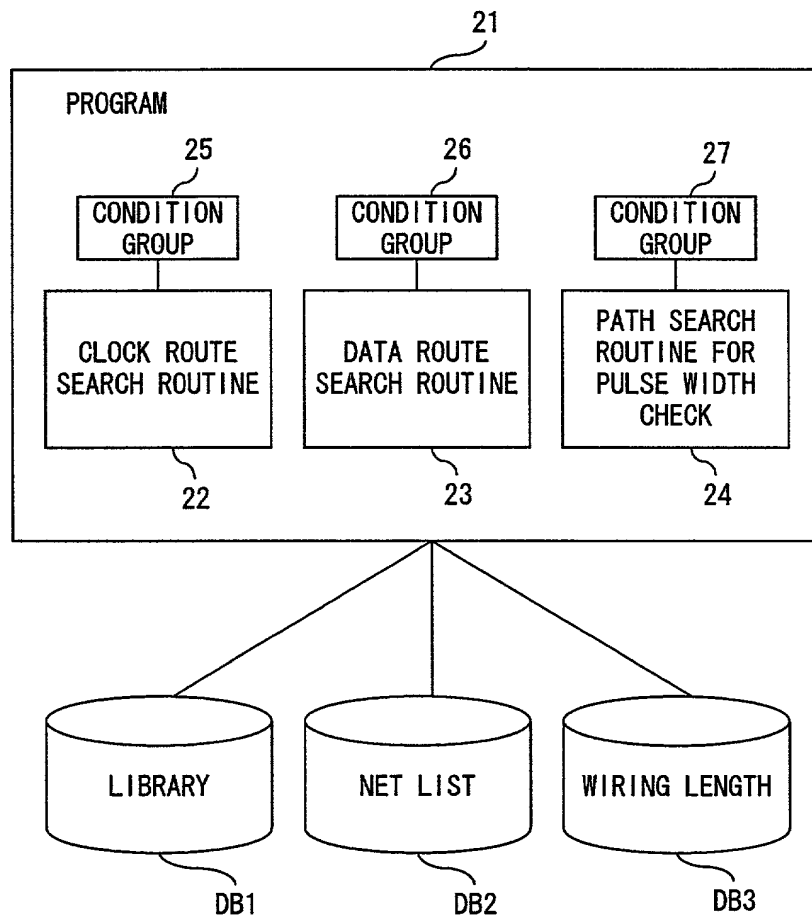


FIG. 3

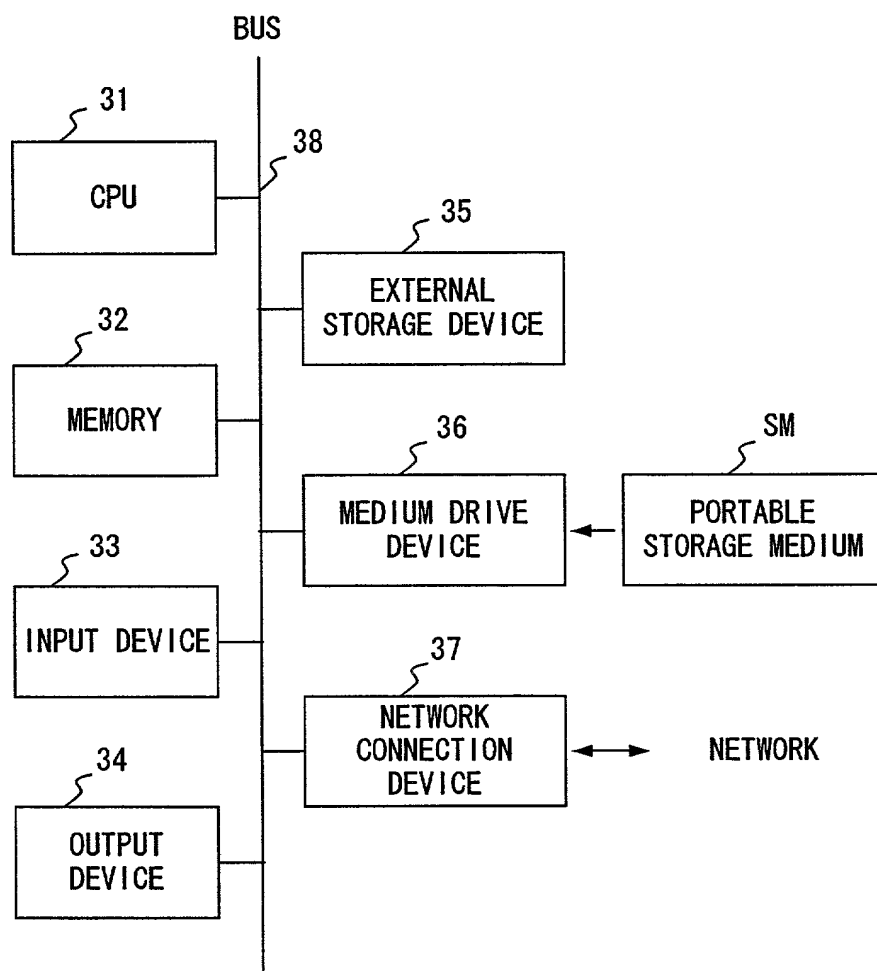


FIG. 4

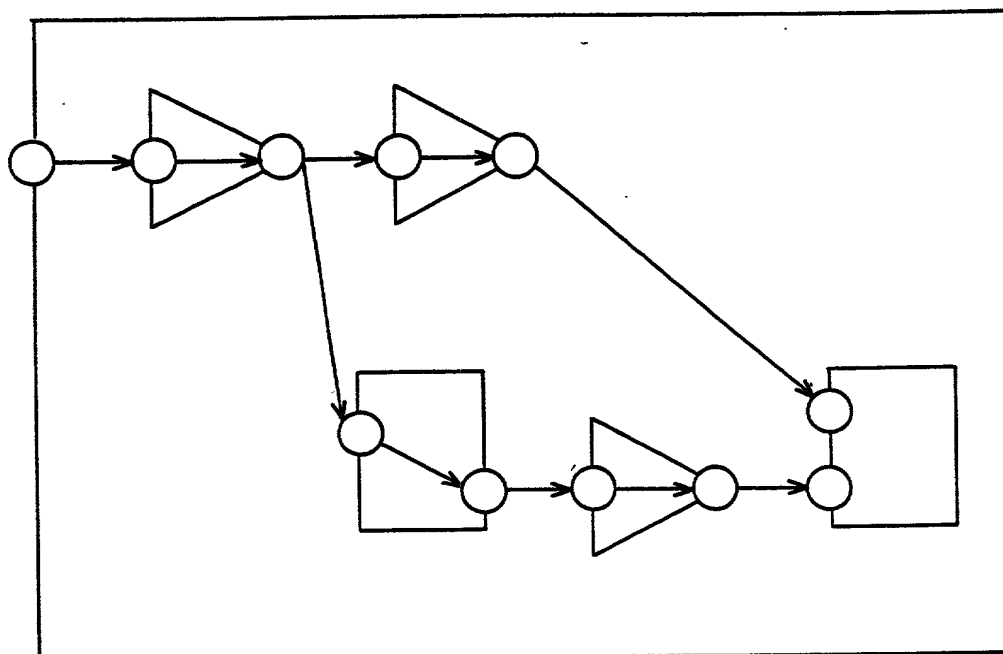


FIG. 5

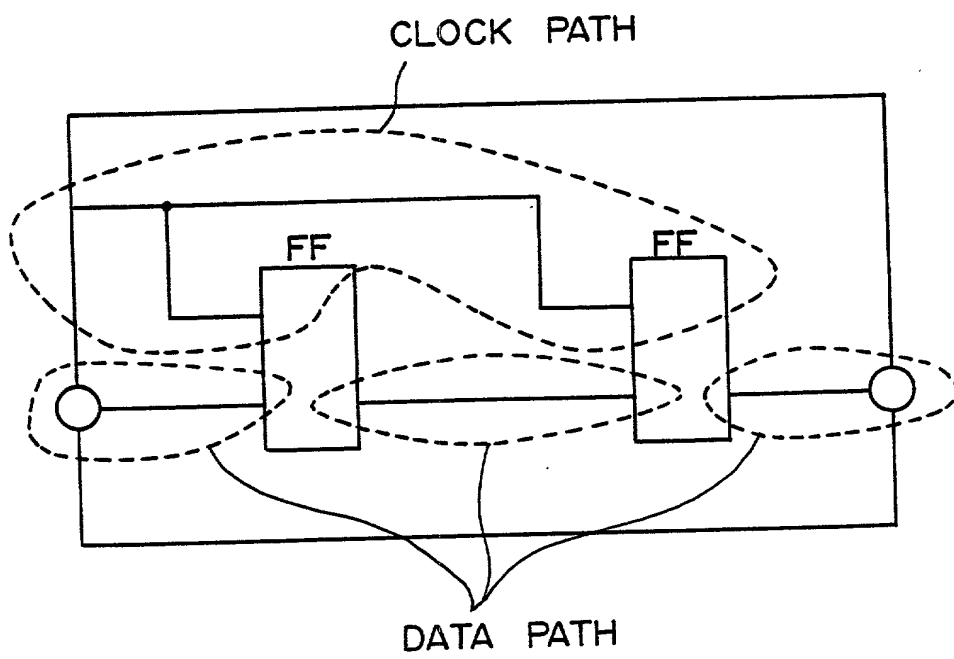


FIG. 6

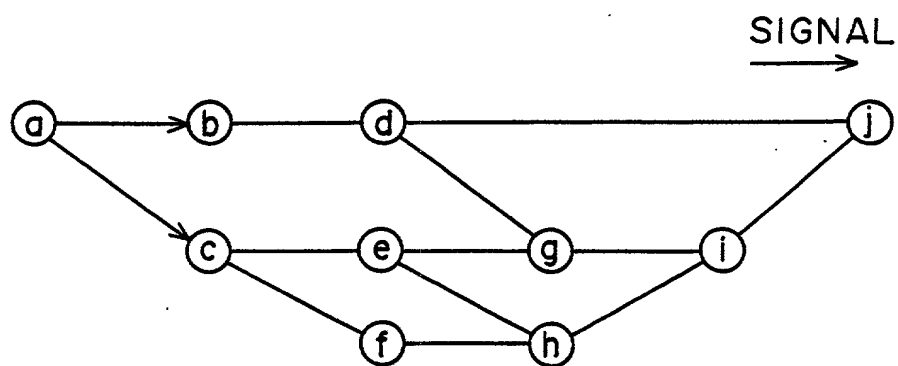


FIG. 7

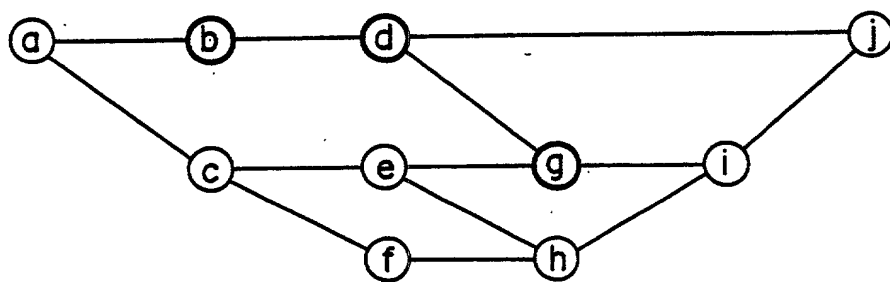


FIG. 8

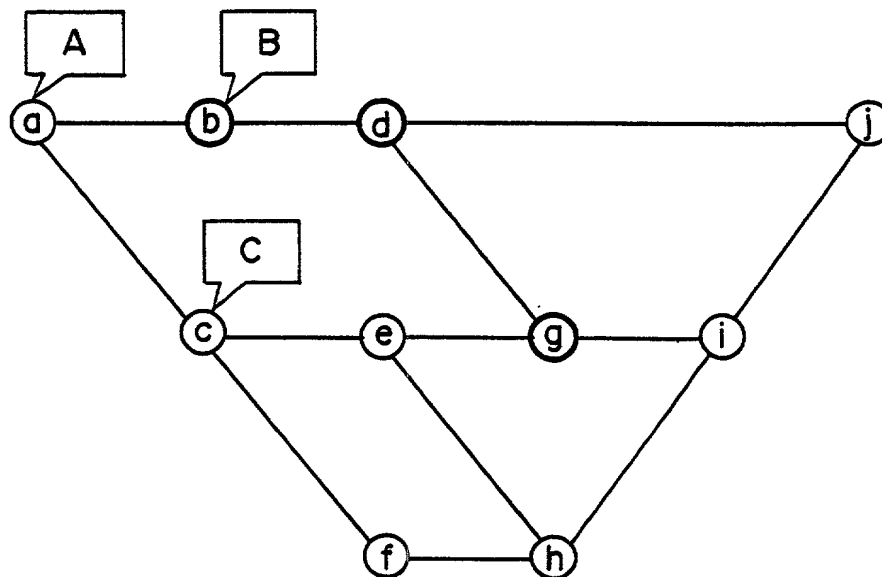


FIG. 9A

| EVENT | EVENT AT PREVIOUS STAGE | ROUTE IDENTIFICATION CODE |
|-------|-------------------------|---------------------------|
| A | | 0 |
| B | A | 0 |
| C | A | 0 |

FIG. 9B

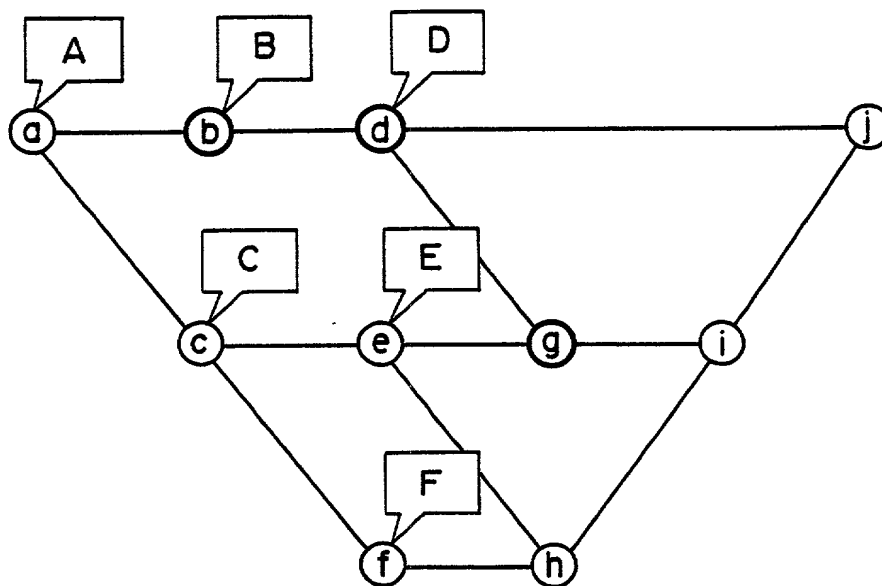


FIG. 10A

| EVENT | EVENT AT PREVIOUS STAGE | ROUTE IDENTIFICATION CODE |
|-------|-------------------------|---------------------------|
| A | NONE | 0 |
| B | A | 0 |
| C | A | 0 |
| D | B | 1 |
| E | C | 0 |
| F | C | 0 |

FIG. 10B

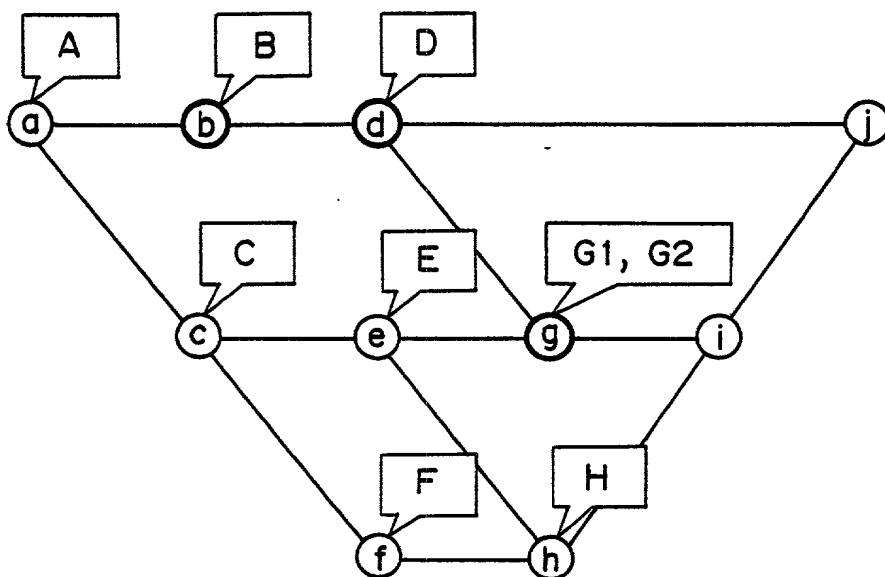


FIG. 11A

| EVENT | PREVIOUS STAGE | ROUTE IDENTIFICATION CODE |
|-------|-------------------|---------------------------------|
| A | NONE | 0 |
| B | A | 0 |
| C | A | 0 |
| D | B | 1 |
| E | C | 0 |
| F | C | 0 |
| G1 | D | 2 |
| G2 | E | 0 |
| H | F | 0 |

FIG. 11B

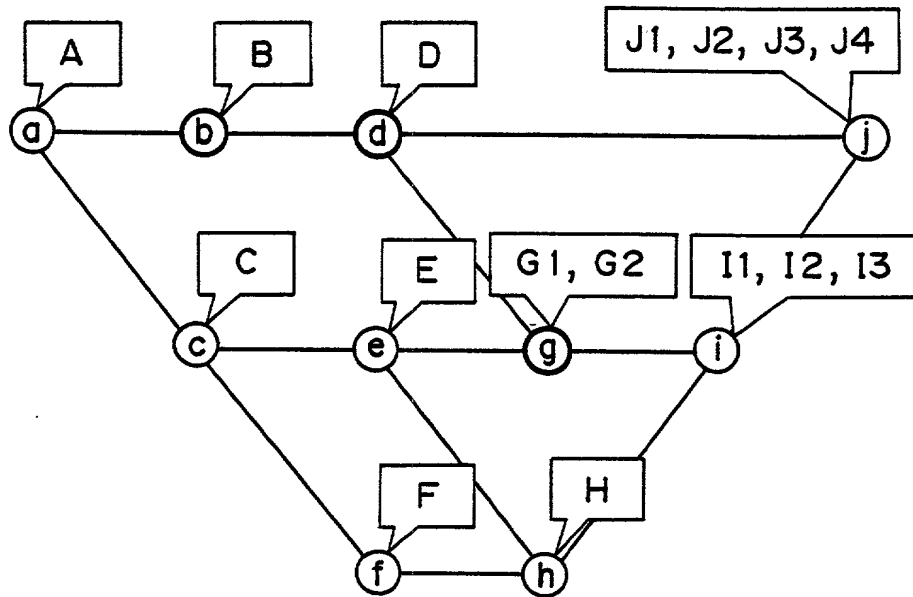


FIG. 12A

| EVENT | PREVIOUS STAGE | ROUTE IDENTIFICATION CODE |
|-------|-------------------|---------------------------------|
| A | NONE | 0 |
| B | A | 0 |
| C | A | 0 |
| D | B | 1 |
| E | C | 0 |
| F | C | 0 |
| G1 | D | 2 |
| G2 | E | 0 |
| H | F | 0 |
| I1 | G1 | 3 |
| I2 | G2 | 4 |
| I3 | H | 0 |
| J1 | D | 5 |
| J2 | I1 | 3 |
| J3 | I2 | 4 |
| J4 | I3 | 0 |

FIG. 12B

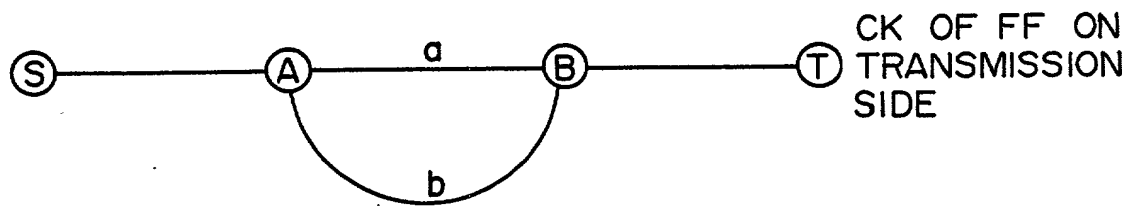


FIG. 13

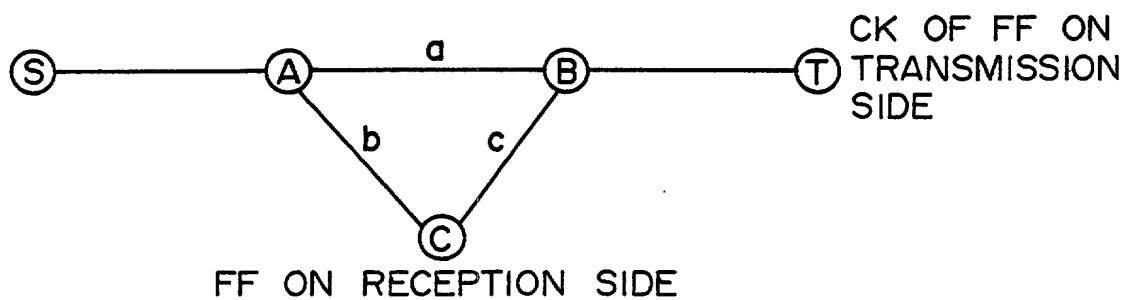


FIG. 14

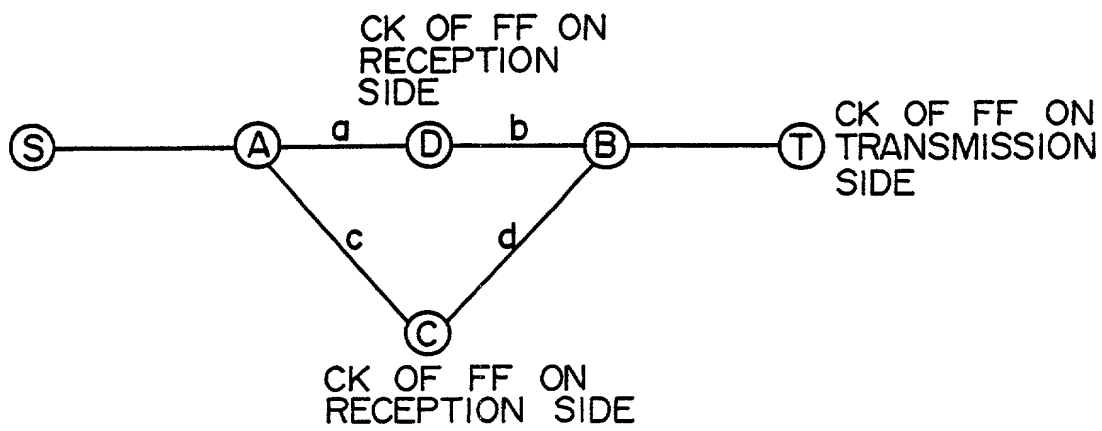


FIG. 15

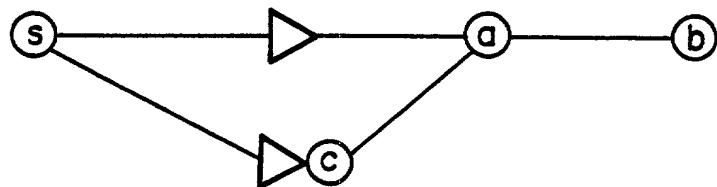


FIG. 16

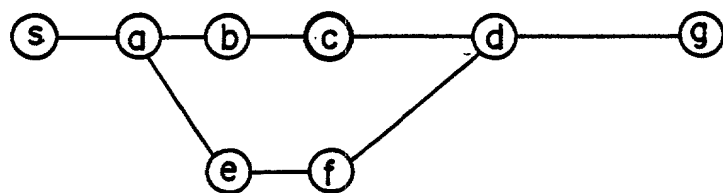


FIG. 17

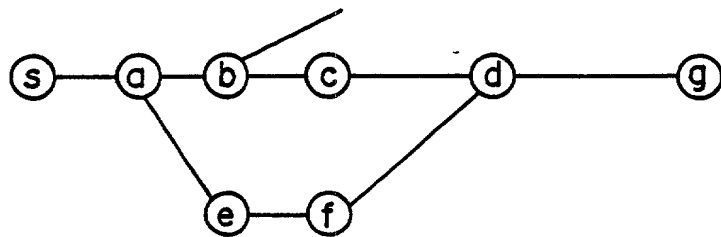


FIG. 18

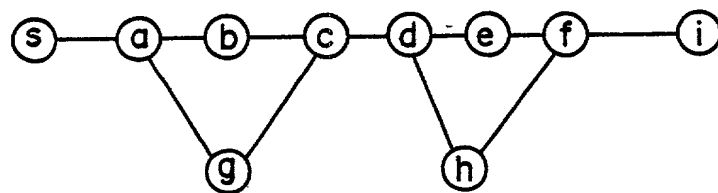


FIG. 19

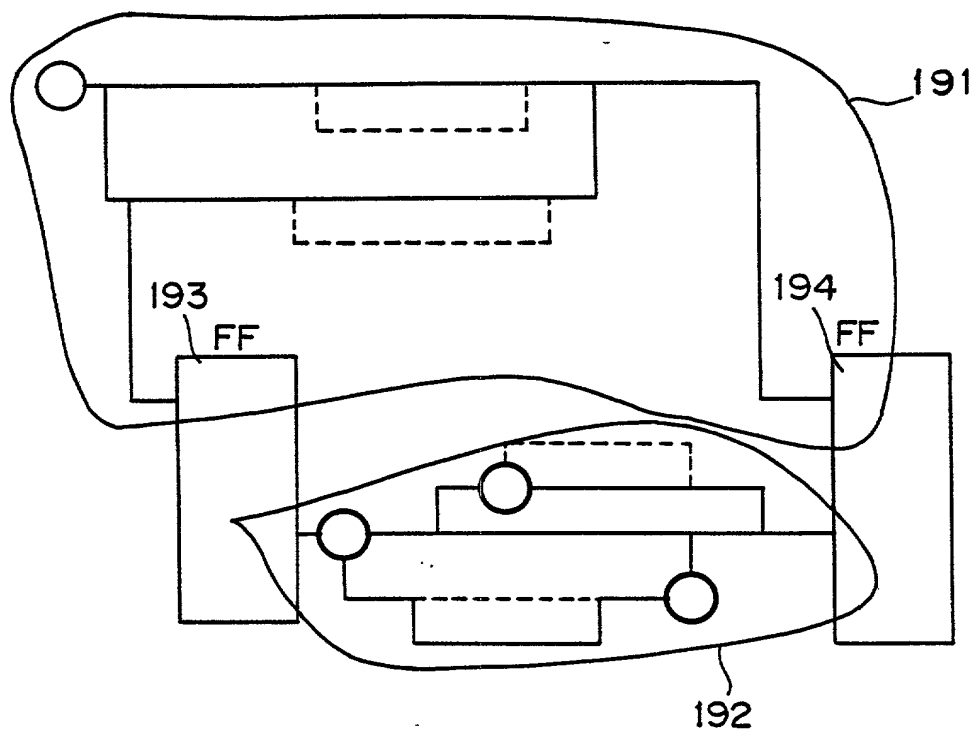


FIG. 20

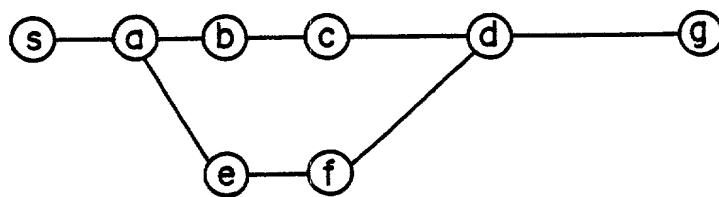


FIG. 21

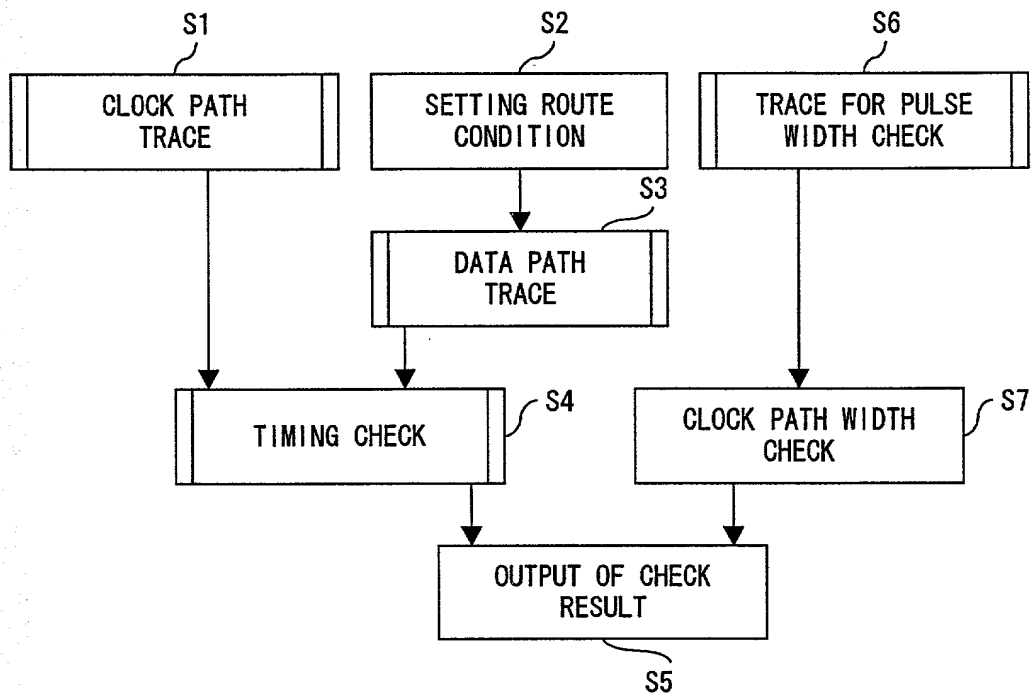


FIG. 22

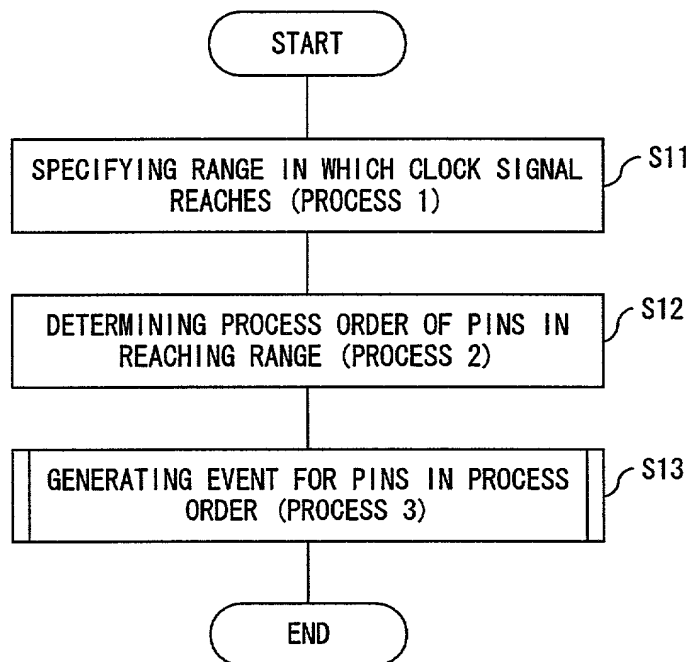


FIG. 23

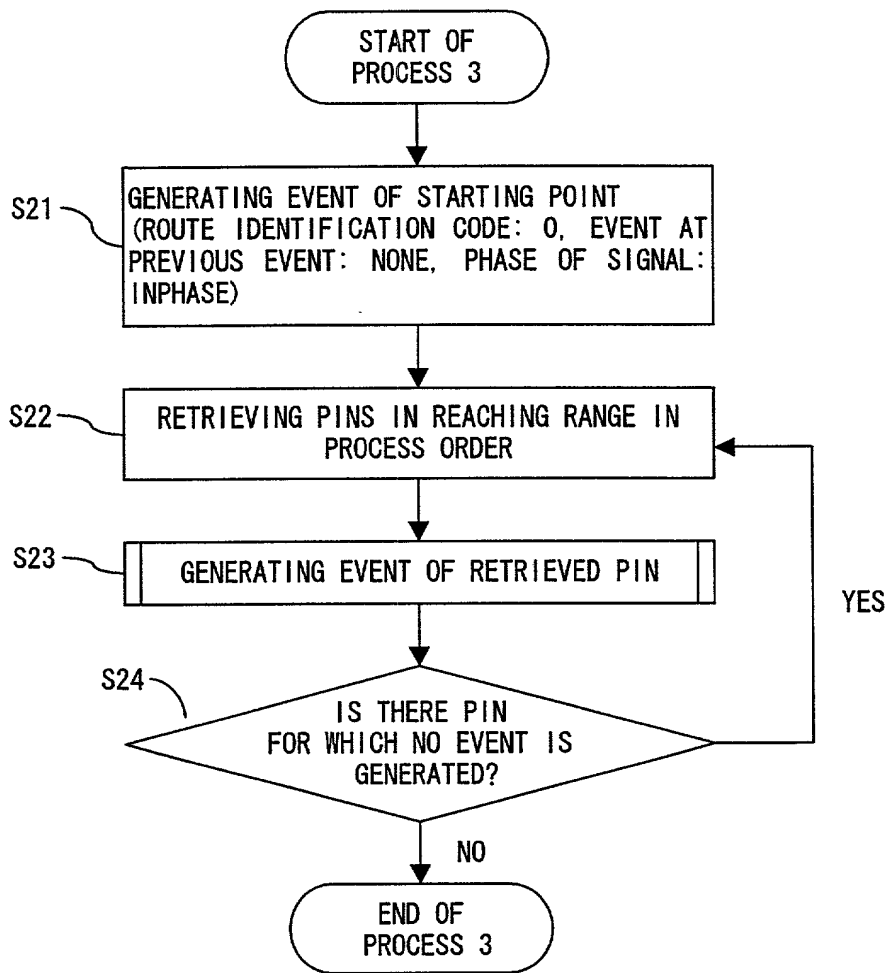


FIG. 24

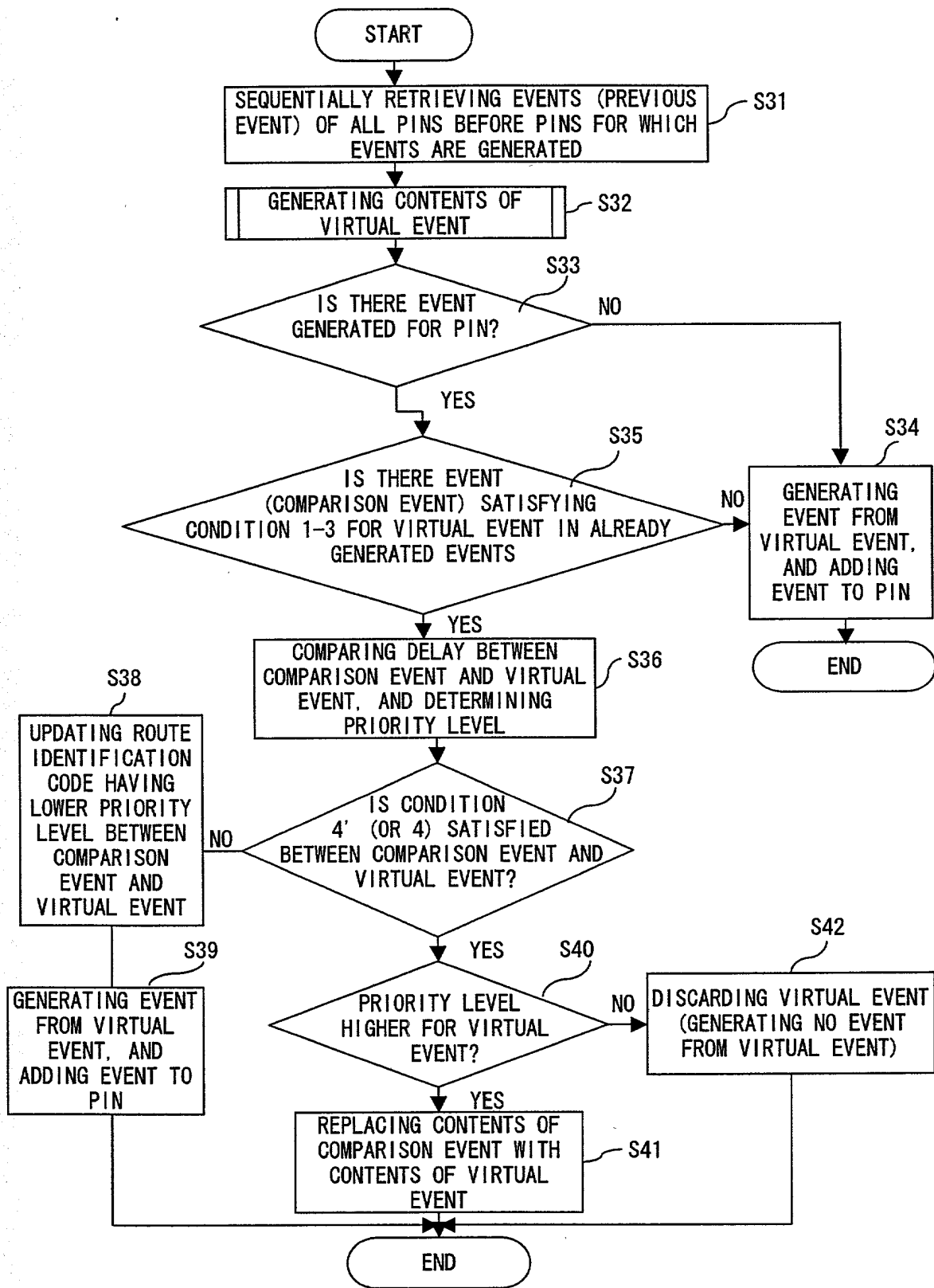


FIG. 25

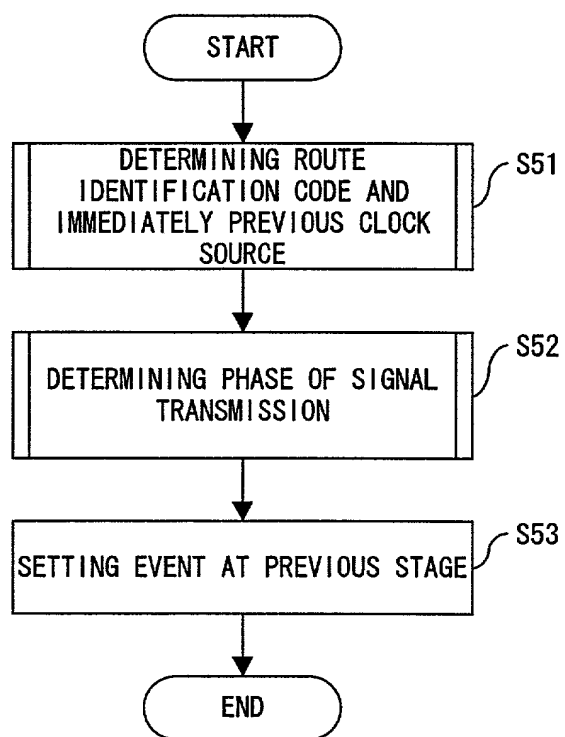


FIG. 26

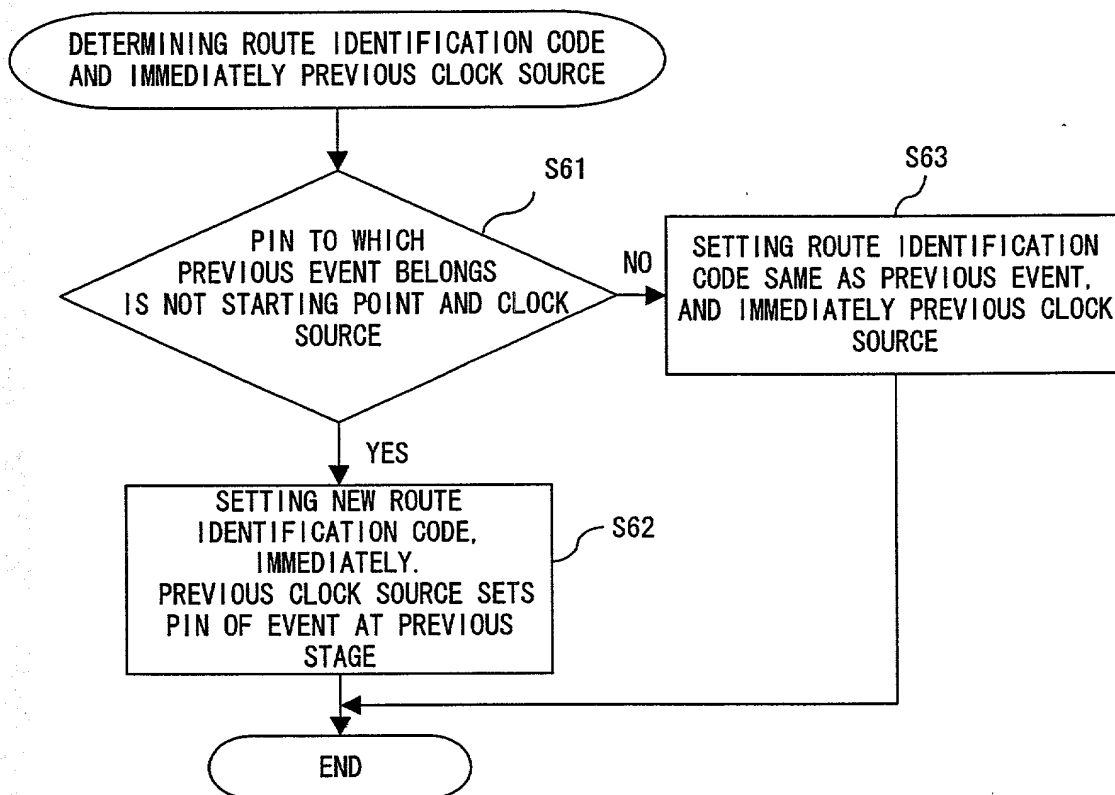


FIG. 27

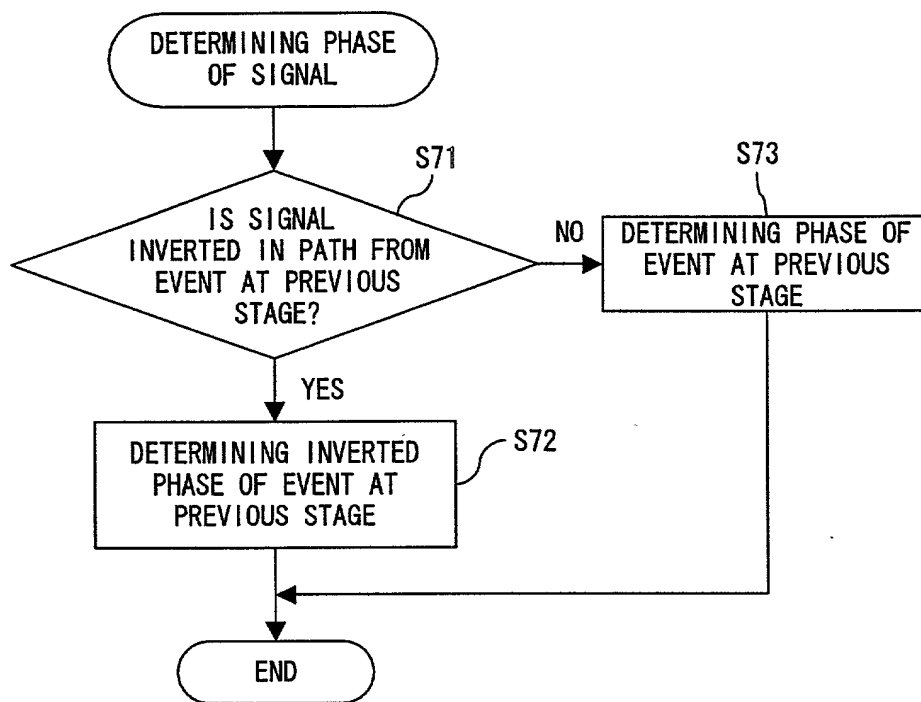


FIG. 28

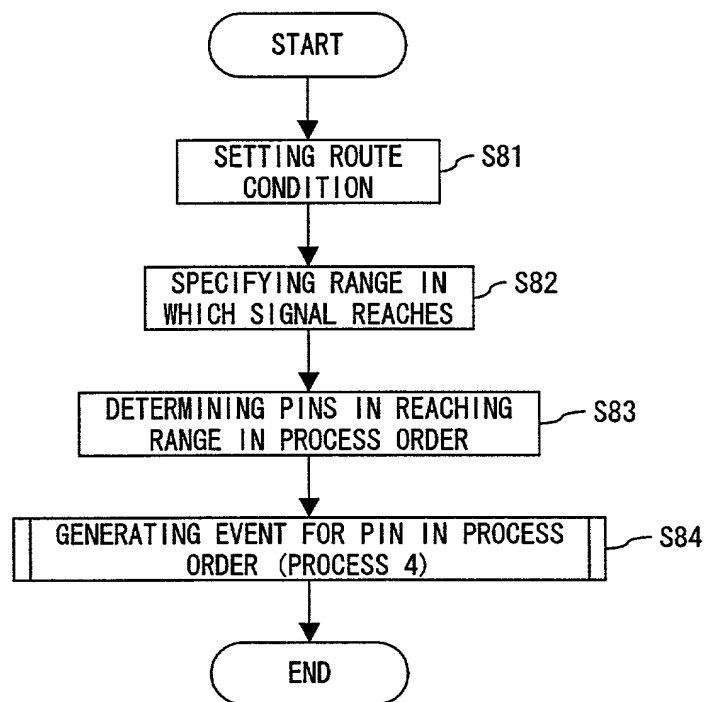


FIG. 29

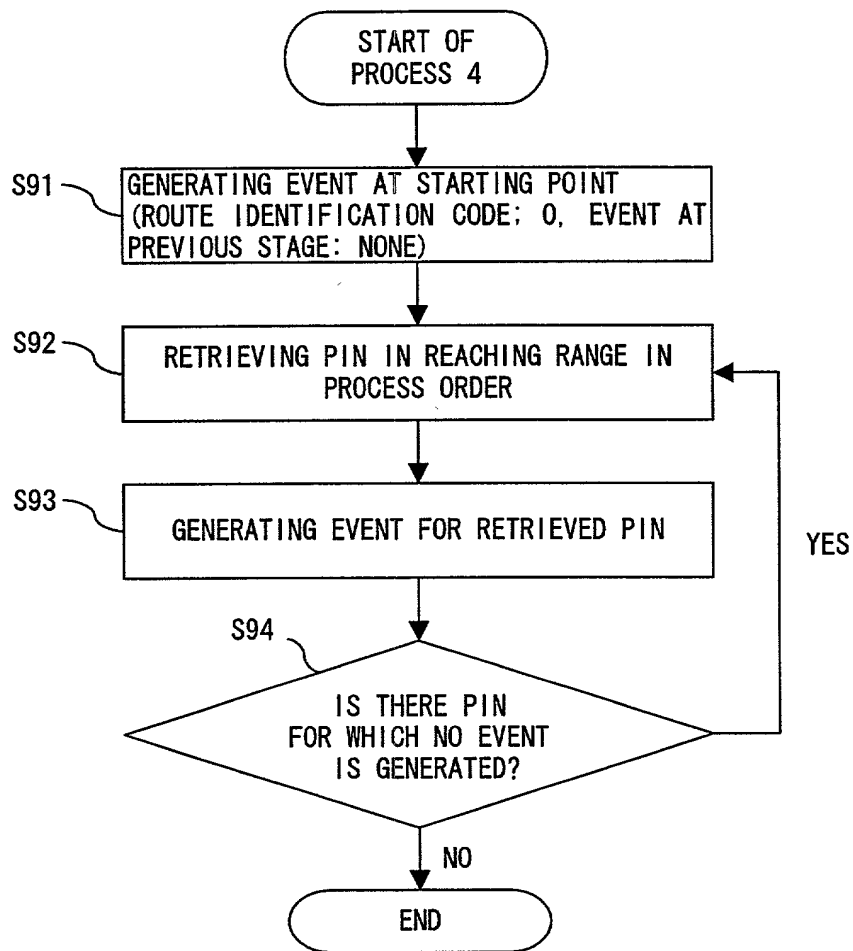


FIG. 30

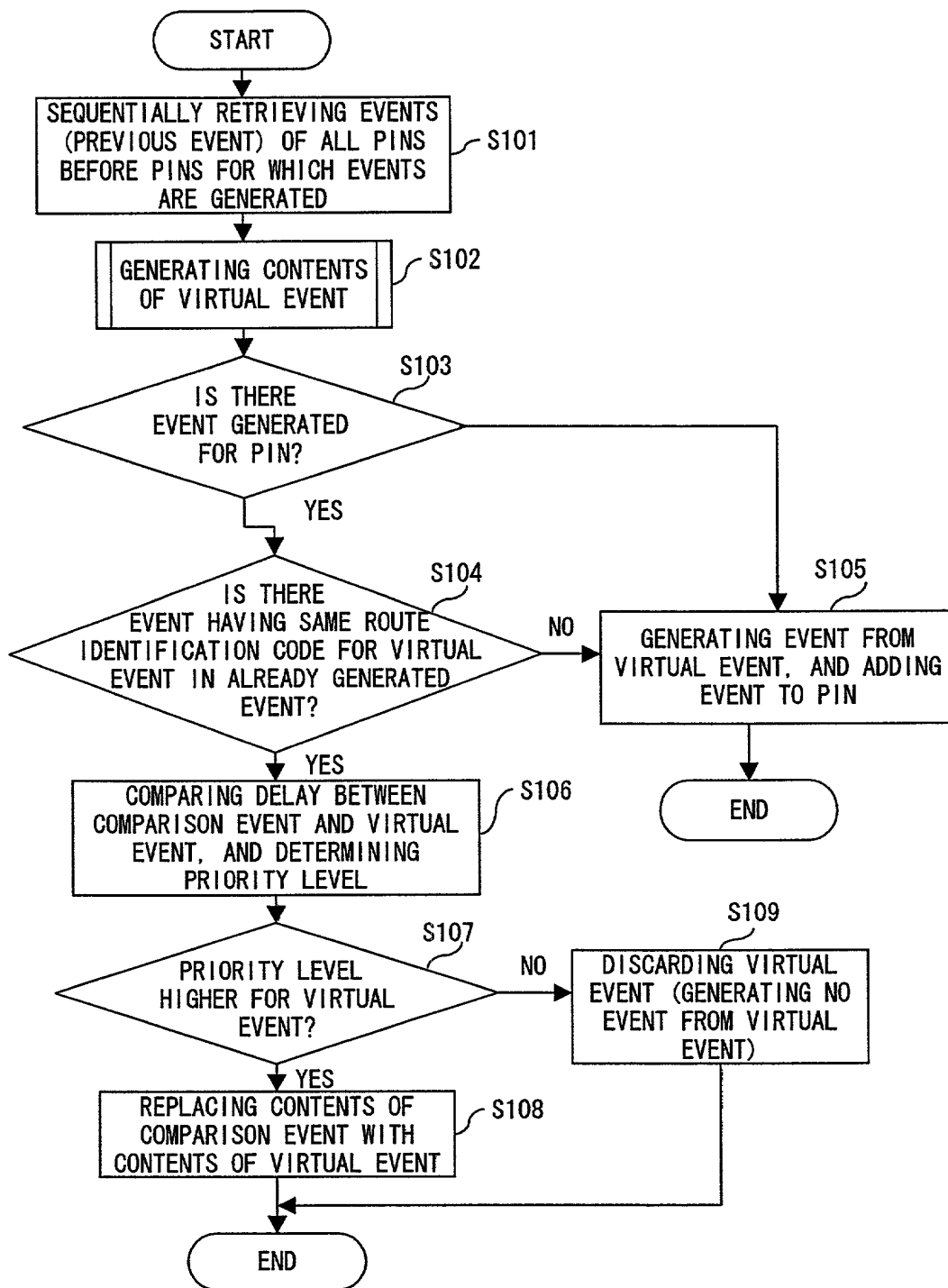


FIG. 31

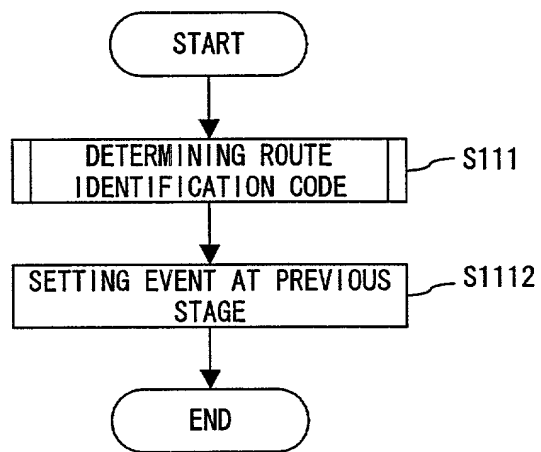


FIG. 32

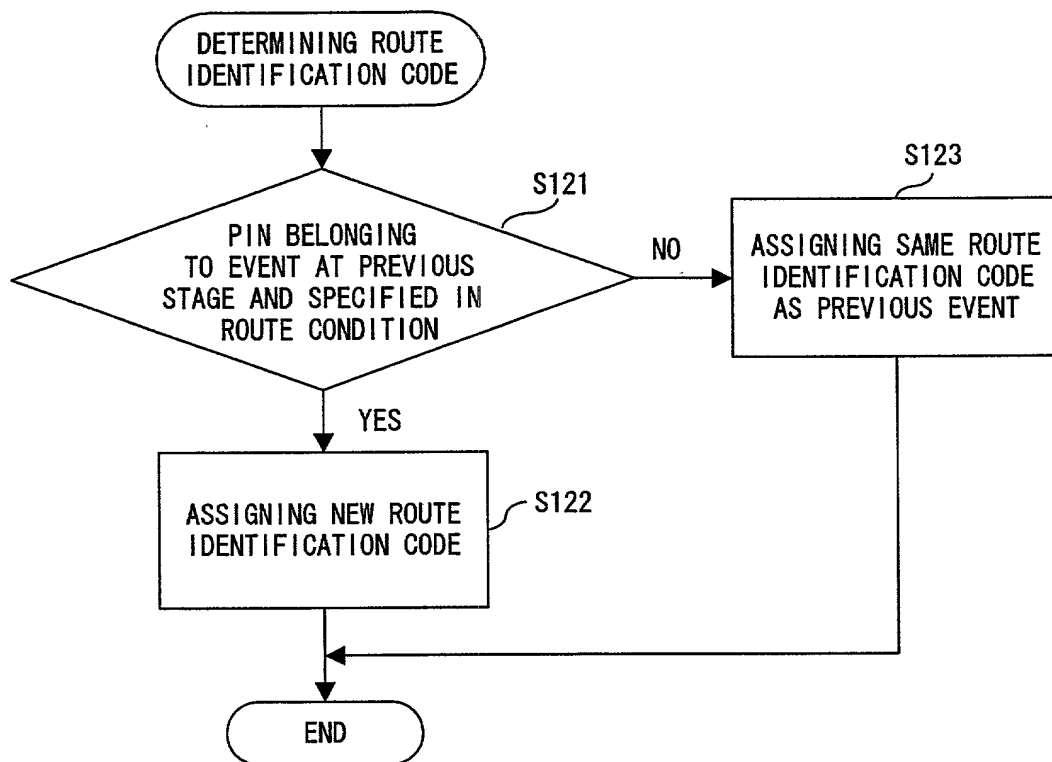


FIG. 33

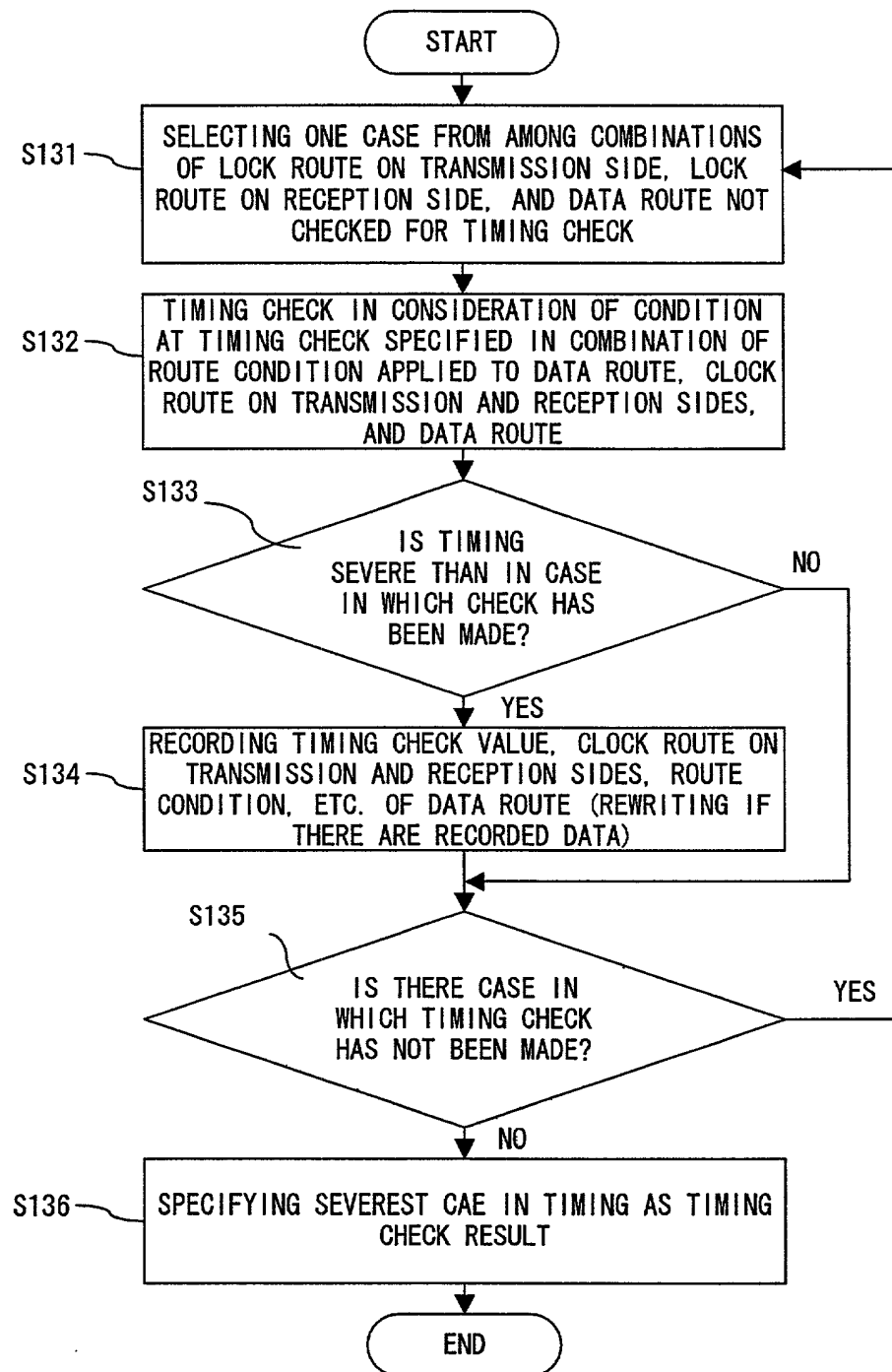


FIG. 34

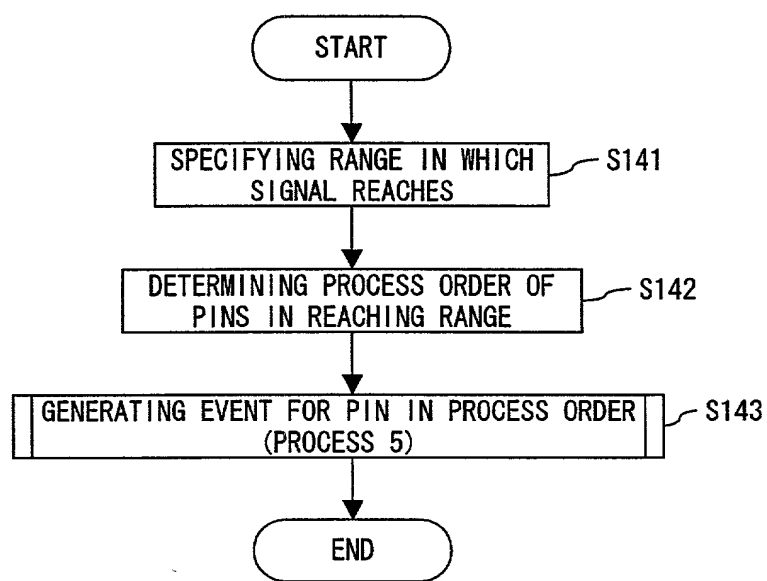


FIG. 35

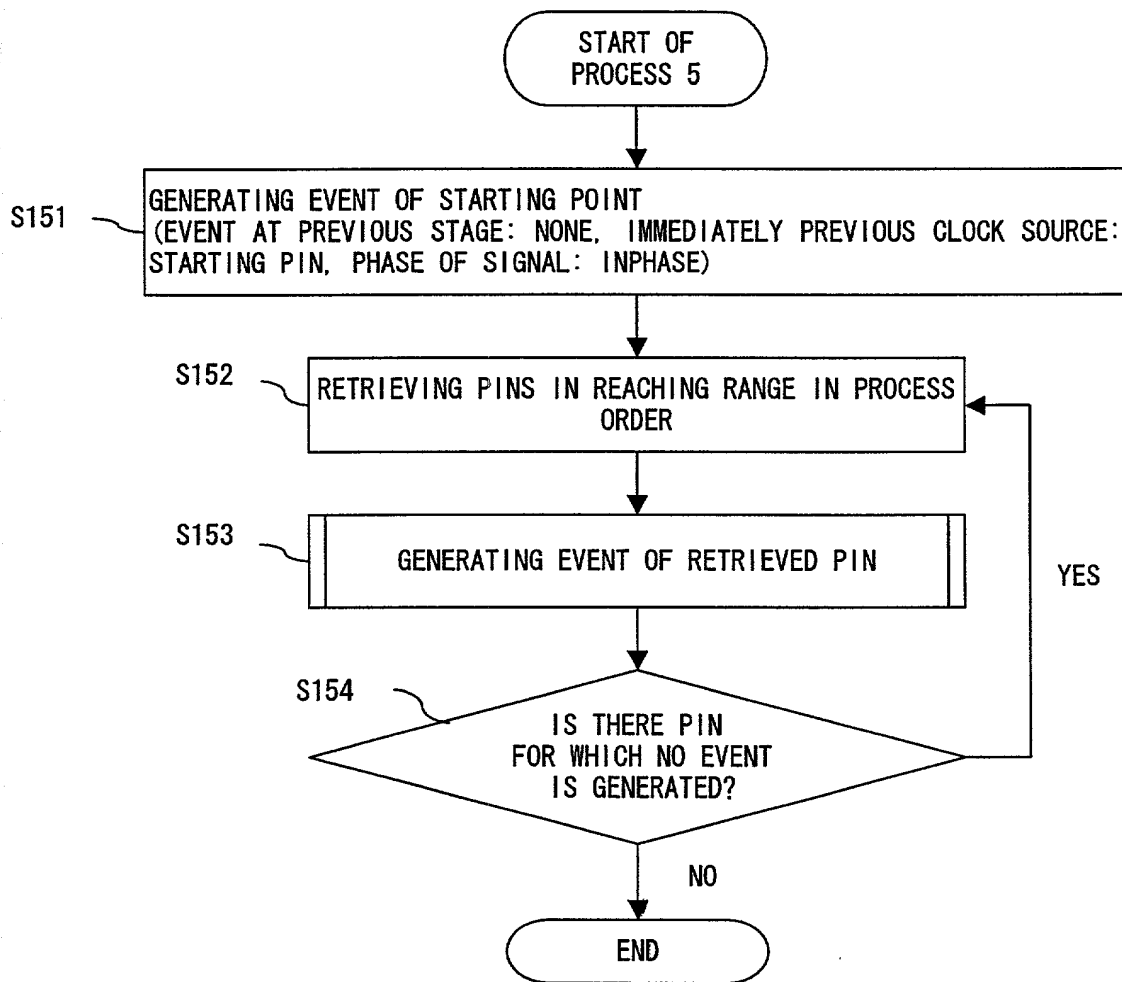


FIG. 36

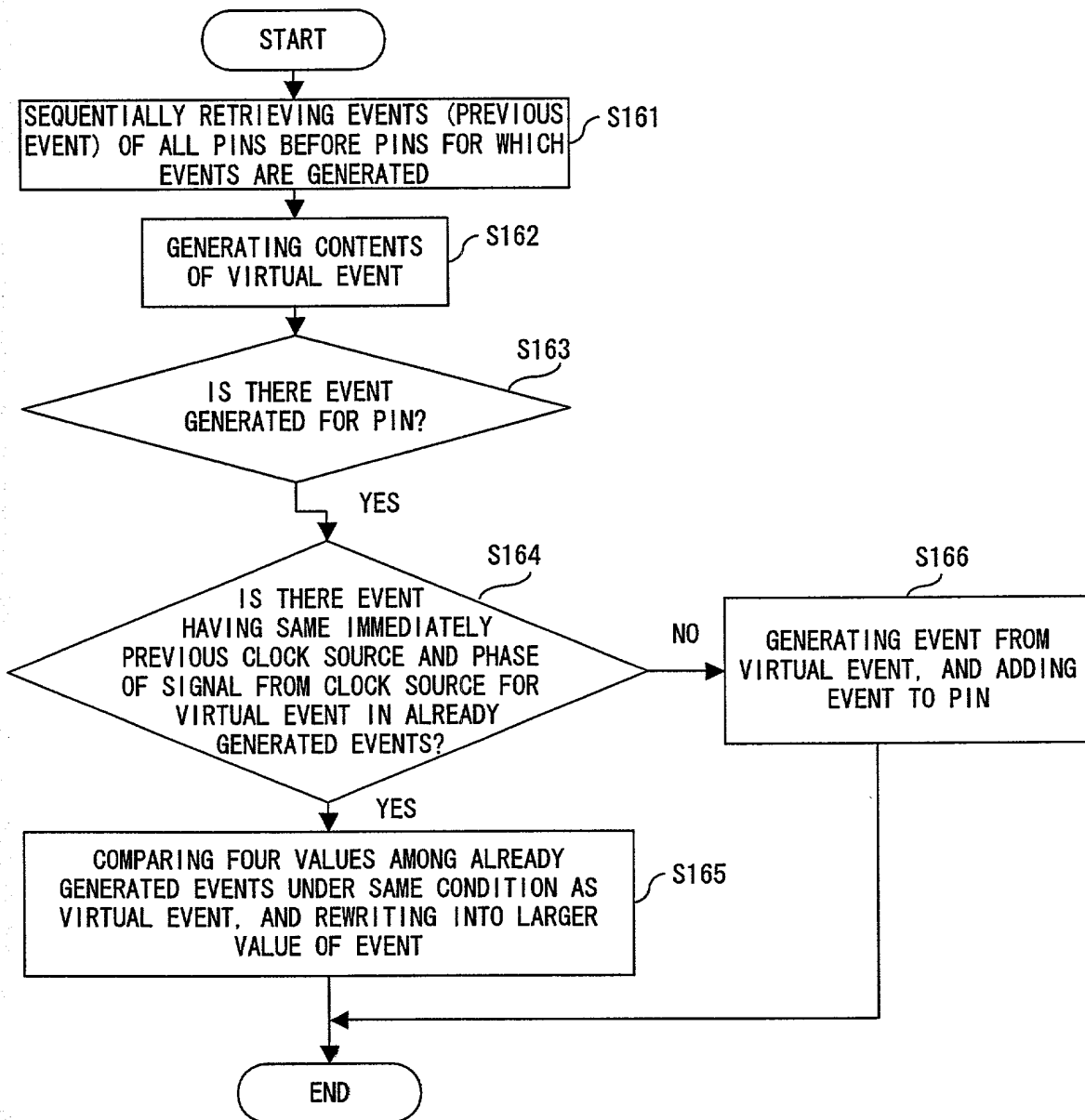


FIG. 37